

Claims

1. Piston (1) for an internal combustion engine, consisting
 - of an approximately cylindrical upper region (5) for accommodating ring grooves, and
 - of a lower region (6) having two bosses (7) for accommodating a piston pin, which are set back towards the central piston axis (8),
 - whereby recesses (12, 12') are disposed in the upper region (5), in the region of the bosses (7), which are open towards the lower region (6),

characterized in that

the recesses (12, 12') have undercuts (13, 13') molded into the region between the bosses (7) and the upper region (5).
2. Piston (1) according to claim 1, **characterized in that** the recesses (12, 12') are divided by at least one rib (17, 17'), in each instance.
3. Casting method for the production of a piston, in which a casting mold having a pivoting window insert (14) for the production of recesses (12, 12') is used,
characterized in that

- a salt mold part (15) is applied to the window insert (14), in each instance, with which the recesses (12, 12') and furthermore undercuts (13, 13') that project into the region between the bosses (7) and the upper region (5) of the piston (1) are produced,
 - that after the piston (1) is cast, the window insert (14) is pivoted away from the finished, cast piston (1), whereby the salt mold part (15) is released from the window insert and remains in the piston, and that
 - subsequently, the salt mold part (15) is washed out of the piston (1).
4. Casting method according to claim 3, **characterized in that** the window insert (14) has at least two cone-shaped extensions (16) onto which the salt mold part (15) is set.
5. Casting method according to claim 3 or 4, **characterized in that** the salt mold parts (15) have appropriate indentations for the production of ribs (17, 17') disposed in the recesses (12, 12') and the undercuts (13, 13'), within the framework of the casting processes of the mold, and corresponding to the arrangement of the ribs (17, 17').